

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of claims:

1. (Currently Amended) An oxygen-free copper alloy ~~containing comprising~~ oxygen 1 - 10 ppm of the alloy weight, ~~characterized in that wherein~~ the alloy ~~contains, in order to improve temperature resistance,~~ comprises magnesium between 30 – 180 ppm of the alloy weight and ~~that the electroconductivity of the alloy has an~~ electroconductivity of [[is]] at least 100% International Anneal Copper Standard (IACS)[[,]] ~~in order to improve temperature resistancepreferably at least 101% IACS.~~

2. (Currently Amended) [[An]] The oxygen-free copper alloy according to claim 1, ~~characterized in that wherein~~ the alloy ~~contains comprises~~ at least 50 ppm of magnesium ~~for over 50 ppm.~~

3. (Currently Amended) [[An]] The oxygen-free copper alloy according to claim 1 or 2, ~~characterized in that,~~ wherein the alloy ~~contains comprises~~ at least 150 ppm of magnesium ~~not more than 150 ppm.~~

4. (Currently Amended) [[An]] The oxygen-free copper alloy according to any of the preceding claims, ~~characterized in that claim 1,~~ wherein the alloy ~~contains comprises~~ at most 5 ppm oxygen not more than 5 ppm, preferably 1 – 3 ppm.

5. (Currently Amended) [[An]] The oxygen-free copper alloy according to any of the preceding claims, ~~characterized in that claim 1,~~ wherein the alloy has a half-softening temperature with a 40% degree of deformation [[is]] of at least 340° C[[],] ~~preferably at least 380° C.~~

6. (Currently Amended) [[An]] The oxygen-free copper alloy according to any of the preceding claims, ~~characterized in that claim 1,~~ wherein the alloy has a half-

softening temperature with a 94% degree of deformation ~~[[is]]~~ at least 300° C~~[[,]]~~ ~~preferably at least 335° C.~~

7. (Currently Amended) ~~[[An]]~~ The oxygen-free copper alloy according to ~~any of the preceding claims, characterized in that~~ claim 1, wherein the alloy further ~~contains~~comprising as impurities phosphorus, silicon and sulfur.

8. (Currently Amended) The oxygen-free copper alloy ~~use of copper manufactured~~ according to ~~any of the claims 1—7~~ claim 1, wherein the alloy is used in commutators of electric motors where there is required a good temperature resistance and a good electroconductivity or thermal conductivity.

9. (Currently Amended) The oxygen-free copper alloy ~~use of copper manufactured~~ according to ~~any of the claims 1—7~~ claim 1, wherein the alloy is used in a tip of a welding electrode where there is required a good temperature resistance and a good electroconductivity or thermal conductivity.

10. (Currently Amended) The oxygen-free copper alloy ~~use of copper manufactured~~ according to ~~any of the claims 1—7~~ claim 1, wherein the alloy is used in generator profiles where there is required a good temperature resistance and a good electroconductivity or thermal conductivity.

11. (Currently Amended) The oxygen-free copper alloy ~~use of copper manufactured~~ according to ~~any of the claims 1—7~~ claim 1, wherein the alloy is used in generator flat bars where there is required a good temperature resistance and a good electroconductivity or thermal conductivity.

12. (New) The oxygen-free copper alloy according to claim 1, wherein the electroconductivity is at least 101% IACS.

13. (New) The oxygen-free copper alloy according to claim 4, wherein the alloy comprises 1-3 ppm oxygen.

14. (New) The oxygen-free copper alloy according to claim 5, wherein the half-softening temperature is at least 380°C.

15. (New) The oxygen-free copper alloy according to claim 6, wherein the half-softening temperature is at least 335°C.